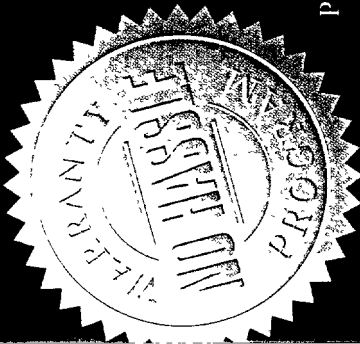


A leading manufacturer of communications test and measurement equipment since 1964, our commitment



to reliability and high

quality is backed by

the industry's only

"No Hassle" Warranty

Program. Should any

Wavetek T-shaped meter require warranty service, your

local dealer is authorized to replace it on the spot. No

waiting, no freight charge, no hassle! This dedication to

service excellence is supported by a worldwide network

of Wavetek dealers and distributors.

Look to Wavetek

Wavetek is a world leader in DMMs and has the full

range of portable instruments suited to meet your

specific testing needs. Look for Wavetek's distinctive

blue and yellow color scheme for maximum reliability

and trouble-free test instruments you can count on.

WAVETEK'S NEW T-SHAPED

Austria

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Tel (43) 1-214-5110
Fax (43) 1-214-5109

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Cedex France
Tel (33) 1-41-90-6666
Fax (33) 1-41-90-6650

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Gutenbergstrasse 2-4
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Fax (49) 89-996-41160

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3A, HKPC Building
78 Tai Chee Avenue
Kowloon, Hong Kong
Tel (852) 2788-6221
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Wavetek Asia-Pacific Pte Ltd
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#14-04/05
Singapore 308900
Tel (65) 356-2522
Fax (65) 356-2553

United Kingdom

Wavetek Ltd
Hurricane Way, Norwich
Norfolk NR6 6JB,
United Kingdom
Tel (44) 1603-256600
Fax (44) 1603-483670

North & South America

Wavetek Corporation
LAN & Test Tools Division
9045 Balboa Avenue
San Diego, CA 92123 U.S.A.
Tel (1) 619-279-2955
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Web Site. www.wavetek.com

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UK Reg. Drs. No. 2070505

Specifications subject to change without notice

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WAVETEK'S NEW T-SHAPED DMMs with Digi-Glo™

Backlight.....



184-433 | 445 | 457/469

WAVETEK

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NPN

In field service, equipment maintenance, engineering test bench or depot service bench applications the measuring, testing and troubleshooting of electronics just became a little easier with Wavetek's new T-shaped meters. Our patented, unique "T" brings new meaning to the words "easy-to-read." An oversized display area means larger characters and annunciators allowing the user to

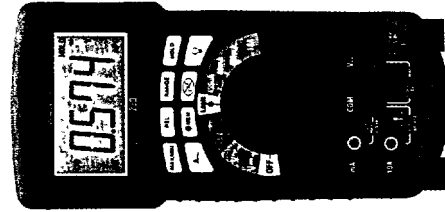
concentrate on making the proper measurements.

For even greater readability in any lighting condition, all three models include Wavetek's exclusive new Digi-Glo™ backlight, the brightest and most evenly lighted DMM display available. Two models, the RMS225A and 235 include a bargraph to provide digital + analog reading.

Each of the three meters in the T-Series has a unique combination of measuring functions and features best suited to your applications. Select from the high-feature, lowest-cost model 220 – or for the highest resolution (10,000 counts!) True-RMS measuring, look to the model RMS225A. For the most features/functions and/or a portable DMM with an RS232C serial computer output, the model 235 is the solution.

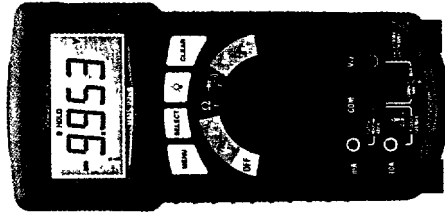
220

- ◆ Industry's Best, Digi-Glo Backlight
- ◆ 8 Functions/27 Ranges
- ◆ 4300-count display
- ◆ Largest 20mm (0.8") High Display Characters
- ◆ Autoranging
- ◆ Max, Min, Rel (Δ), Probe Hold™, Range Lock Modes
- ◆ Auto-Off with Disable Button



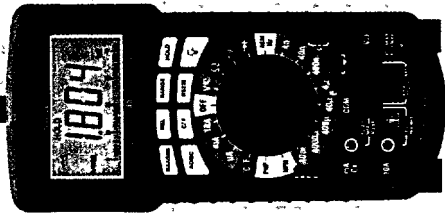
RMS225A

- ◆ Industry's Best, Digi-Glo Backlight
- ◆ 7 Functions/21 Ranges
- ◆ True-RMS Measuring
- ◆ Highest Resolution 10,000-count Digital and 41-Segment Bargraph Displays
- ◆ Autoranging
- ◆ Menu Selectable, Full Autoranging Max, Min, Rel (Δ), Probe Hold, Range Lock Modes



235

- ◆ Industry's Best, Digi-Glo Backlight
- ◆ 11 Functions/45 Ranges
- ◆ RS232C Computer Port; Software and Cable Included
- ◆ Autoranging
- ◆ 4000-count Digital and 42-Segment Bargraph Displays
- ◆ Max, Min, Rel (Δ), Probe Hold, Range Lock Modes

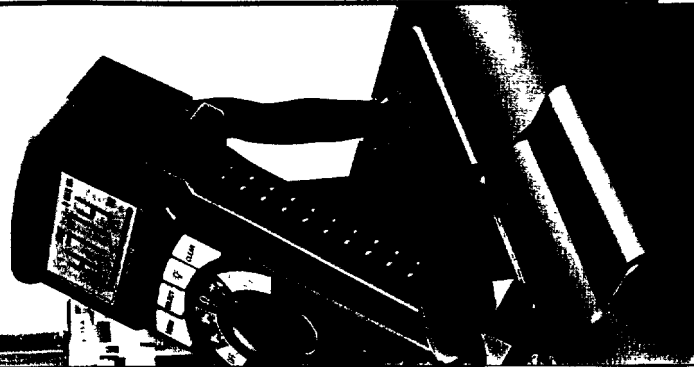


Tech-Preferred™ Features

These autoranging DMMs include powerful, Tech-Preferred features that are easy to use and further distinguish them as the smart choice of professionals everywhere. Simple button selection or the unique menu-driven selection of features such as Probe-Hold, Max/Min reading hold, Relative (Δ) Reading mode and Range Locking. Display and audible annunciators warn the user when measuring potentially hazardous ranges, and fully-fused current inputs add to measuring safety. High quality test leads and the extra protection provided by an anti-skid rubber holster are also included.

All Wavetek T-Series meters also provide additional time-saving advantages that give you increased utility, greater performance and measuring convenience in every application.

- ◆ Oversized Display Characters
- ◆ Long Battery Life with 30-minute Auto-off
- ◆ Tilt-Stand and Flex-Strap™
- ◆ Meet EN61010-1 Standards and are CE Marked
- ◆ Spare Fuses Included



Models CR50 & LCR55

Component Testers

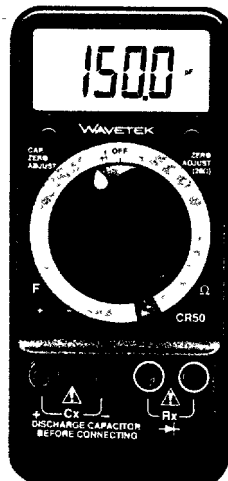
CR50 Capacitance and Resistance Meter

- ◆ Unique Full-Range Capacitance Meter and Resistance Meter (C+R)
- ◆ Dual "Zero Adjust" Pots
- ◆ "Low Ohms" Range
- ◆ Premium Test Leads with Alligator Clips

Model CR50 is a versatile, complete capacitance meter and resistance meter in one. Users considering purchasing just a "C-Meter" will get greater value with the CR50 because it includes a full range "R-meter" at no extra cost!

The CR50 measures capacitance in nine ranges from 200pF to 20mF with a resolution to 0.1pF in the 200pF range. To assure optimum accuracy an external "Zero" pot adjusts out stray capacitance from test leads in the 200pF range. For resistance measuring there are seven ranges from 20 Ω to 20M Ω , with 0.01 Ω resolution in the 20 Ω range. The "low ohms" 20 Ω range also features its own "zero" pot and is a measuring function typically found only in expensive, bench-grade meters. The meter also includes a diode test function and Tech-Preferred™ continuity beeper feature never found on just a C-meter.

Large, 17mm (0.7 inch) high display characters and annunciators within the display to echo the selected range provide

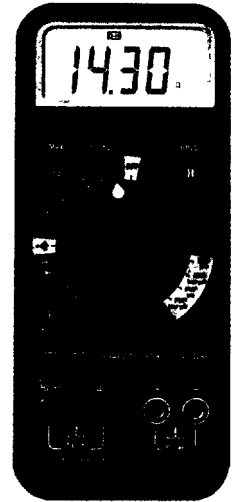


optimum readability and user accuracy. Test leads include screw-on alligator clips for easy attachment to components and lead wires. Optional accessories include H10 holster and VC30 case.

LCR55: LCR + Meter

- ◆ Inductance, Capacitance, and Resistance Meter
- ◆ Transistor Continuity, Diode/Microwave Diode Test
- ◆ 3½ Digit Display
- ◆ Large, 18mm (0.7") High Digits
- ◆ Data Hold & Max Hold
- ◆ Auto-off

Model LCR55 is an inductance, capacitance, and resistance meter with 28 user ranges that measures a wide range of values. In the 20 Ω range, a zero adjustment knob allows to compensate for the test lead resistance. The LCR55 also tests diodes, including microwave diodes, and has slots for capacitor plug-in as well as a dedicated test socket for transistor testing. Optional accessories include H30 holster and VC231 soft case.



Component Testers Specifications (at 23°C ±5°C, <75% R.H.)

MODEL	LCR55	CR50
Resistance Test		
Ranges	20 Ω , 200 Ω , 2k Ω , 20k Ω , 200k Ω , 2M Ω , 20M Ω	20 Ω , 200 Ω , 2k Ω , 20k Ω , 200k Ω , 2M Ω , 20M Ω
Accuracy	20 Ω ±1.2%rdg (zero adjust) 200 Ω ±0.5%rdg ±3dgt 2k Ω –2M Ω ±0.5%rdg ±1dgt 20M Ω ±2.0%rdg ±2dgt	±0.5% ±0.5%rdg ±3dgt ±0.5%rdg ±1dgt ±3.0%rdg ±1dgt
Capacitance		
Ranges	200pF, 2nF, 20nF, 200nF, 2 μ F, 20 μ F, 200 μ F, 2000 μ F	200pF, 2nF, 20nF, 200nF, 2 μ F, 20 μ F, 200 μ F, 2mF, 20mF
Accuracy	200pF–200nF ±1.0%rdg ±3dgt 2nF–2 μ F — 20 μ F — 2 μ F–200 μ F ±2.0%rdg ±3dgt 2000 μ F <1000 μ F ±3% ±3dgt 20mF >1000 μ F ±5% ±5dgt	±0.5%rdg ±1dgt ±0.5pF ±0.5%rdg ±1dgt ±0.5%rdg ±1dgt ±0.5%rdg ±1dgt ±1.0%rdg ±1dgt ±1.5%rdg ±1dgt
Inductance Test		
Ranges	200 μ H, 2mH, 20mH, 200mH, 2H, 20H, 200H	—
Accuracy	200 μ H ±5.0%rdg ±3dgt 2mH–200mH ±3.0%rdg ±3dgt 2H–200H ±5.0%rdg ±3dgt	— — —
Transistor Tests		
Hfe	0–1000/NPN, PNP	—
Icbo	μ A/NPN/PNP	—
Diode Test-Standard		
Test current/voltage	displays forward junction voltage 1.0mA/3.0VDC	displays forward junction voltage 1.0mA/3.2VDC
Diode Test-Microwave		
Test current/voltage	displays forward junction voltage 1.3mA/8.0VDC	—
Continuity Test		
	tone <30 Ω	tone <75 Ω
Dimensions (HxWxD)		
	183mm x 80mm x 38mm (7.2" x 3.1" x 1.5")	151mm x 70mm x 32mm (6.1" x 2.8" x 1.3")
Weight		
	311g (11 oz)	170g (6.0 oz)
Agency Approvals		
	IEC1010-1, Cat II, C ∞	IEC1010-1, Cat II, C ∞
Warranty		
	One year	One year

Accessories

1 Test Leads

DL243C	Basic Test Lead Kit
DL248C	Deluxe Test Lead Kit
DC205B	Deluxe Hard-Shell Carry Case
VC221A	Soft Carrying Case
DC207B	Large Hard-Shell Carry Case w/space for current clamp and extra accessories
HV-231-10	40kV High Voltage Probe
RF241	650 MHz RF Probe

1 Current Clamps

CT231A	200A AC
CT232A	1000A AC
CT234A	400A AC
CT236	500A AC (mV Output)
CT235	1000A AC/DC
CT237	200A AC/DC
CT238	20A AC/DC

1 Temperature Probes

TC253A	Temp. Converter Module
TP255	Bead Probe
TP254	Immersion Probe w/Handle (up to 1000°C)
MH101K	Master Probe Handle (for Tips below)
TP110K	Immersion Probe Tip (up to 650°C)
TP120K	Surface Probe Tip
TP130K	Air/Gas Probe Tip

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	220	RMS225A	235
Display/Resolution	4300 cts.	10000 cts.	4000 cts.
Bargraph Display		■	■
Basic Accuracy	0.25%	0.25%	0.25%
DC Voltage	■	■	■
AC Voltage	■	■	■
AC Current	■	■	■
DC Current	■	■	■
True-RMS Measure		■	
Resistance	■	■	■
Capacitance			■
Frequency			■
Logic	■		
Temperature			■
Transistor hfe			■
Diode Test	■	■	■
Continuity	■	■	■
Probe Hold	■	■	■
Max/Min	■	■	■
Relative (Δ)	■	■	■
Range Lock	■	■	■
RS232C Serial I/O			■
Auto-Off	■	■	■
Rubber Holster	■	■	■
Digi-Glo Backlit	■	■	■
EN61010-1 CAT.III; 800V CAT.II; 1000V	■	■	■